

SEQUENCE LISTING

<110> Ballinger, Dennis G.
Montgomery, Julie R.

<120> Growth Factor Antagonist Materials and Methods

<130> 28110/35878

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<170> PatentIn Ver. 2.0

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<211> 1662

<212> DNA

<213> Homo sapiens

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ttctccgtac agtcaggac ctccagcccc atg gag ccc ccg atc cca cag agc 234
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Arg Met Ser His Ser Arg Leu Gln His Pro Leu Thr Ile Leu Pro Ile
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[illegible]

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 Gly Pro Ala Val Pro Pro Glu Leu Asp Lys His Phe Leu Leu Cys Glu
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 Ala Cys Gly Lys Cys Lys Cys Lys Glu Cys Ala Ser Pro Arg Thr Leu
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 Pro Ser Cys Trp Val Cys Asn Gln Glu Cys Leu Cys Ser Ala Gln Thr
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 Leu Val Asn Tyr Gly Thr Cys Met Cys Leu Val Gln Gly Ile Phe Tyr
 195 200 205
 His Cys Thr Asn Glu Asp Asp Glu Gly Ser Cys Ala Asp His Pro Cys
 210 215 220
 Ser Cys Ser Arg Ser Asn Cys Cys Ala Arg Trp Ser Phe Met Gly Ala
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 Leu Ser Val Val Leu Pro Cys Leu Leu Cys Tyr Leu Pro Ala Thr Gly
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 Cys Val Lys Leu Ala Gln Arg Gly Tyr Asp Arg Leu Arg Arg Pro Gly

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35 40 45

Ile Arg Asn Thr Asn Glu Tyr Thr Glu Gly Pro Thr Val Val Pro Arg
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Pro Gly Leu Lys Pro Ala Pro Arg Pro Ser Thr Gln His Lys His Glu
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Arg Leu His Gly Leu Pro Glu His Arg Gln Pro Pro Arg Leu Gln His
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100 105 110

Thr Val Ser Ser Gly Ser Arg Ser Ser Thr Arg Thr Ser Thr Ser Ser
115 120 125

Ser Ser Ser Glu Gln Arg Leu Leu Gly Ser Ser Phe Ser Ser Gly Pro
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Val Ala Asp Gly Ile Ile Arg Val Gln Pro Lys Ser Glu Leu Lys Pro
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Gly Glu Leu Lys Pro Leu Ser Lys Glu Asp Leu Gly Leu His Ala Tyr
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Arg Pro Leu Pro Ser Asp Trp Ile Cys Asp Lys Gln Cys Leu Cys Ser
195 200 205

Ala Gln Asn Val Ile Asp Tyr Gly Thr Cys Val Cys Cys Val Lys Gly
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Leu Phe Tyr His Cys Ser Asn Asp Asp Glu Asp Asn Cys Ala Asp Asn
225 230 235 240

Pro Cys Ser Cys Ser Gln Ser His Cys Cys Thr Arg Trp Ser Ala Met
245 250 255

Gly Val Met Ser Leu Phe Leu Pro Cys Leu Trp Cys Tyr Leu Pro Ala
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Lys Gly Cys Leu Lys Leu Cys Gln Gly Cys Tyr Asp Arg Val Asn Arg
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35 40 45

Phe Tyr His Cys Ser Asn Asp Asp Glu Gly Asp Ser Tyr Ser Asp Asn
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Pro Cys Ser Cys Ser Gln Ser His Cys Cys Ser Arg Tyr Leu Cys Met
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Gly Ala Met Ser Leu Phe Leu Pro Cys Leu Leu Cys Tyr Pro Pro Ala
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Lys Gly Cys Leu Lys Leu Cys Arg Arg Cys Tyr Asp Trp Ile His Arg
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Gln His Pro Leu Thr Ile Leu Pro Ile Asp Gln Met Lys Thr Ser His
35 40 45

Val Glu Asn Asp Tyr Ile Asp Asn Pro Ser Leu Ala Pro Ala Thr Gly
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Pro Lys Arg Pro Arg Gly Gly Pro Pro Glu Leu Ala Pro Thr Pro Ala
 65 70 75 80

Arg Cys Asp Gln Asp Ile Thr His His Trp Ile Ser Phe Ser Gly Arg
 85 90 95

Pro Ser Ser Val Ser Ser Ser Ser Ser Thr Ser Ser Asp Gln Arg Leu
 100 105 110

Leu Asp His Met Ala Pro Pro Pro Val Ala Glu Gln Ala Ser Pro Arg
 115 120 125

Ala Val Arg Leu Gln Pro Lys Val Val His Cys Lys Pro Leu Asp Leu
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Lys Gly Pro Thr Ala Pro Pro Glu Leu Asp Lys His Phe Leu Leu Cys
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Glu Ala Cys Gly Lys Cys Lys Cys Lys Glu Cys Ala Ser Pro Arg Thr
 165 170 175

Leu Pro Ser Cys Trp Val Cys Asn Gln Glu Cys Leu Cys Ser Ala Gln
 180 185 190

Thr Leu Val Asn Tyr Gly Thr Cys Met Cys Leu Val Gln Gly Ile Phe
 195 200 205

Tyr His Cys Thr Asn Glu Asp Asp Glu Gly Ser Cys Ala Asp His Pro
 210 215 220

Cys Ser Cys Ser Gly Ser Asn Cys Cys Ala Arg Trp Ser Phe Met Gly
 225 230 235 240

Ala Leu Ser Val Val Leu Pro Cys Leu Leu Cys Tyr Leu Pro Ala Thr
 245 250 255

Gly Cys Val Lys Leu Ala Gln Arg Gly Tyr Asp Arg Leu Arg Arg Pro
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Arg	Leu	His	Gly	Leu	Pro	Glu	His	Arg	Gln	Pro	Pro	Arg	Leu	Gln	Pro
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Ser	Gln	Val	His	Ser	Ser	Arg	Ala	Pro	Leu	Ser	Arg	Ser	Ile	Ser	Thr
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Val	Ser	Ser	Gly	Ser	Arg	Ser	Ser	Thr	Arg	Thr	Ser	Thr	Ser	Ser	Ser
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Gly	Asp	Ile	Lys	Pro	Leu	Ser	Lys	Asp	Asp	Leu	Gly	Leu	His	Ala	Tyr
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Arg	Cys	Glu	Asp	Cys	Gly	Lys	Cys	Lys	Cys	Lys	Glu	Cys	Thr	Tyr	Pro
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Gly	Val	Met	Ser	Leu	Phe	Leu	Pro	Cys	Leu	Trp	Cys	Tyr	Leu	Pro	Ala
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 20 25 30
 Lys Ala Asp Gly Ala Leu Lys Gly Glu Ala Glu Gln Ser Ala Gly His
 35 40 45
 Pro Ser Glu His Leu Phe Ile Cys Glu Glu Cys Gly Arg Cys Lys Cys
 50 55 60
 Val Pro Cys Thr Ala Ala Arg Pro Leu Pro Ser Cys Trp Leu Cys Asn
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